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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : James E. Angelo et al.

Appln. No.: 09/469,597

Filed : December 22, 1999

For : HEAD VIBRATION DETECTION
DEVICE

Docket No.: S01.12-0543

Group Art Unit: 2651

Examiner: Son H.
Nguyen

AMENDMENT

Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

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Technology Center 2600

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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WASHINGTON, D.C. 20231, THIS

7 DAY OF March 2002

Deirdre Kvale
PATENT ATTORNEY

Sir:

This Amendment is in response to the Office Action
mailed on December 7, 2001. Please amend the above-identified
application as follows:

IN THE SPECIFICATION

Please amend the paragraph beginning on Page 1, line 25
and ending on Page 2, line 7 as follows:

a1
Surfaces of the discs include asperities and other defects
due to variations in the manufacturing process or created during
shipping and handling or operation and use of the disc drive.
During read write operations a head may contact asperities on the
disc surface interfering with read/write operations. Contact
between the head and disc surface can damage the disc surface and
result in permanent data loss for a write command. Prior disc
drives incorporate acoustic emission sensors attached to an E-
block arm to determine head-disc contact. A sensor attached to
an E-block arm sense head -disc contact for some head on the E-
block however its difficult to distinguish which head-disc
interface is contacting. The present invention addresses these
and other problems, and offers other advantages over prior art.